

534,702

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

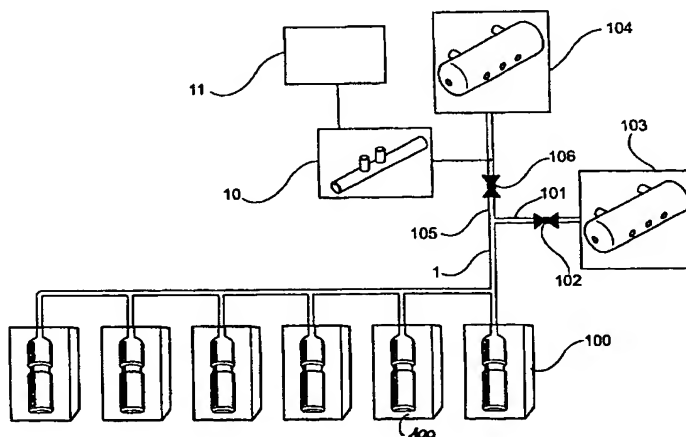


(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/045832 A1

- (51) International Patent Classification⁷: **B29C 49/78**, 49/80, 49/16, 49/42
- (21) International Application Number: **PCT/EP2003/009926**
- (22) International Filing Date:
8 September 2003 (08.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
PN2002A000089
15 November 2002 (15.11.2002) IT
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- (54) Title: **APPARATUS AND METHOD WITH SPECIFICALLY PROVIDED DEVICE FOR AUTOMATIC BURST DETECTION IN BLOW MOULDED CONTAINERS**
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(57) Abstract: Apparatus for blow moulding hollow plastic bodies from plastic preforms, or parisons, which is adapted to detect bursts occurring in plastic bottles. To this purpose, the apparatus itself comprises a differential pressure transducer arrangement (10, 11), a low-pressure gas supply source (103) along with a related first supply channel (101), a high-pressure gas supply source along with a related second supply channel (105). The differential pressure transducer arrangement is made up by one or more tubes (3, 4) arranged crosswise in the second supply channel; these tubes contain respective separate chambers opening (5, 6) into the interior of said second supply channel (Pitot tubes). Two sensors (7, 8) adapted to detect respective pressures are connected in a distinct manner to said respective chambers. Any possible pressure variation at pre-determined moments during the blow-moulding cycle is processed and compared, and the result is an indication of whether a serious irregularity, such as a burst or a silent gas leakage, took place during the blow-moulding process of a given bottle.

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